Performance Data Sheet

RKA5512YUZ

General Information

Model	RKA5512YUZ	**Refrigerant**	R-134a
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	230V ~ 50HZ
Return Gas	10K (18°F) SUPERHEAT	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Watts (Capacity)	754			
	Watts (Power)	565			
	Amps	3.41			
-23.3	Watts (Capacity)	830	723		
	Watts (Power)	576	618		
	Amps	3.45	3.53		
-20	Watts (Capacity)	991	872		
	Watts (Power)	594	642		
	Amps	3.51	3.63		
-15	Watts (Capacity)	1280	1130	985	
	Watts (Power)	619	677	743	
	Amps	3.59	3.76	3.98	
-10	Watts (Capacity)	1620	1450	1260	1080
	Watts (Power)	638	708	784	875
	Amps	3.65	3.87	4.15	4.47
-6.7	Watts (Capacity)	1880	1680	1470	1260
	Watts (Power)	648	725	809	907
	Amps	3.67	3.94	4.25	4.61
-5	Watts (Capacity)	2030	1820	1590	1360
	Watts (Power)	652	734	822	924
	Amps	3.68	3.97	4.30	4.68
0	Watts (Capacity)	2520	2260	1980	1700
	Watts (Power)	658	754	855	969
	Amps	3.70	4.04	4.43	4.86

5	Watts (Capacity)	3080	2770	2440	2100
	Watts (Power)	656	768	884	1010
	Amps	3.70	4.09	4.53	5.02
7.2	Watts (Capacity)	3360	3020	2670	2300
	Watts (Power)	653	771	894	1030
	Amps	3.69	4.11	4.57	5.09
10	Watts (Capacity)	3740	3370	2980	2570
	Watts (Power)	646	774	906	1050
	Amps	3.67	4.12	4.62	5.16
15	Watts (Capacity)	4510	4060	3600	3120
	Watts (Power)	625	772	921	1080
	Amps	3.62	4.13	4.68	5.28

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.131215E+03	3.281376E+02	2.973030E+00	
C2	1.311230E+02	-9.371452E+00	-3.232520E-02	
C3	-1.488040E+01	1.349940E+01	1.710440E-02	
C4	2.096650E+00	-2.404095E-01	-4.162430E-04	
C5	-7.742947E-01	3.541507E-01	1.115720E-03	
C6	-2.260488E-01	-1.204186E-01	2.387890E-04	
C7	1.124125E-02	-1.227313E-03	0.000000E+00	
C8	-1.435273E-02	2.709487E-03	0.000000E+00	
C9	-3.114639E-03	-8.517748E-04	0.000000E+00	
C10	1.282121E-03	1.226225E-03	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

RKA5512YUZ

General Information

Model	RKA5512YUZ	**Refrigerant**	R-134a
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	10K (18°F) SUPERHEAT	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Watts (Capacity)	881			
	Watts (Power)	667			
	Amps	3.16			
-23.3	Watts (Capacity)	984	835		
	Watts (Power)	677	735		
	Amps	3.22	3.34		
-20	Watts (Capacity)	1200	1030		
	Watts (Power)	696	756		
	Amps	3.31	3.48		
-15	Watts (Capacity)	1560	1370	1200	
	Watts (Power)	725	790	874	
	Amps	3.44	3.66	3.95	
-10	Watts (Capacity)	1990	1760	1540	1360
	Watts (Power)	751	826	915	1030
	Amps	3.54	3.82	4.17	4.58
-6.7	Watts (Capacity)	2310	2050	1800	1580
	Watts (Power)	765	848	943	1060
	Amps	3.60	3.92	4.30	4.75
-5	Watts (Capacity)	2490	2210	1940	1700
	Watts (Power)	772	860	958	1080
	Amps	3.62	3.96	4.36	4.83
0	Watts (Capacity)	3070	2740	2410	2100
	Watts (Power)	785	890	1000	1130
	Amps	3.68	4.07	4.54	5.06

5	Watts (Capacity)	3750	3360	2950	2560
	Watts (Power)	790	915	1040	1190
	Amps	3.71	4.17	4.69	5.27
7.2	Watts (Capacity)	4070	3660	3220	2790
	Watts (Power)	788	924	1060	1210
	Amps	3.72	4.20	4.74	5.35
10	Watts (Capacity)	4520	4070	3590	3110
	Watts (Power)	782	932	1080	1240
	Amps	3.72	4.24	4.81	5.45
15	Watts (Capacity)	5420	4880	4320	3750
	Watts (Power)	761	939	1110	1290
	Amps	3.71	4.28	4.92	5.62

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.815920E+03	3.411483E+02	2.860710E+00	
C2	1.494683E+02	-1.446582E+01	-2.557050E-02	
C3	-1.432263E+01	2.132078E+01	1.776680E-02	
C4	2.327882E+00	-4.103072E-01	-4.565690E-04	
C5	-5.674485E-01	6.718912E-01	1.157340E-03	
C6	-4.607820E-01	-2.986450E-01	3.147460E-04	
C7	1.437051E-02	-2.973038E-03	0.000000E+00	
C8	-1.555725E-02	7.390605E-03	0.000000E+00	
C9	-8.107696E-03	-4.245377E-03	0.000000E+00	
C10	3.696953E-03	2.722317E-03	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature